

# PATENT SPECIFICATION

1,067,391

DRAWINGS ATTACHED.

Inventor:—DONALD EDGAR HARDING.

Date of filing Complete Specification: Nov. 12, 1963.

Application Date: Nov. 12, 1962. No. 42640/62.

Complete Specification Published: May 3, 1967.

© Crown Copyright 1967.



1,067,391

Index at Acceptance:—B8 K(2G2, 2GX, 2K1, 2X3)  
Int. Cl.:—B 65 d.

**BEST AVAILABLE COPY**

## COMPLETE SPECIFICATION.

### Improvements in Bags Made of Heat Sealable Film Material.

We, ROBINSON PLASTIC FILMS LIMITED, of 1 Redcliffe Street, Bristol 1, a Company organised according to the laws of Great Britain and Northern Ireland, do hereby declare the invention, for which we pray that a patent may be granted to us, and the method by which it is to be performed, to be particularly described in and by the following statement:—

This invention relates to bags made of heat sealable film.

According to this invention we provide a flat bag of heat sealable film material comprising front and back panels joined together at opposite sides of the bag by heat seal welds wherein one or more other panels of heat sealable film material disposed wholly on the outside of the bag is/are joined to the bag by said side welds and is/are otherwise unattached to the bag. The said other panel or panels can take the form of a strip or strips readily tearable from said bag.

One form of bag made from polythene is illustrated in the accompanying drawing wherein:—

Fig. 1 is a front perspective view of the bag.

Fig. 2 is a section taken on line 2—2 of Figure 1, and

Fig. 3 is a perspective view showing one of the uses of the bag.

Referring to the drawing, the bag comprises a back panel 1, a front panel 2 and a third panel or strip 3, all said panels being joined together at their opposite sides 4 and 5 by heat seal side welds. The back panel 1 and front panel 2 are joined at the bottom by a fold line 6 and are free at their upper edges. The back panel 1 may

be longer than the front panel 2 so as to provide a flap 7 to facilitate filling the bag. The panel 3 is only attached at its side edges to the panels 1 and 2. Instead of the bottom 6 of the bag being formed by a fold it can be formed by a slit and seal operation. A slit and seal seam is one made by means of a hot cutting tool or element which, as it cuts through two thicknesses of thermoplastic material, heats the cut edges thereby sealing them together in edge to edge relationship.

In use, the third panel 3 can be torn off the bag before sale if desired. Thus the panel 3 can be printed with a special greetings message or festival motif for certain seasons of the year, for example for the Christmas market. After the season is over the strip bearing the message or motif can be torn off, and the bag with its contents can be put back into the normal stock. Instead of tearing the third panel off it can be used as a retaining member for the folded over open end portion of the bag to form a pouch. This is shown in Figure 3. Instead of sealing the open end of the bag after filling the open end portion is folded over and tucked into and through the third panel thus keeping the contents clean without sealing. This is particularly suitable for sweaters and lingerie where the customer needs to examine the article before purchase.

A further use of the invention is to provide two strips close together. Both strips can be torn away from one side and used as ties around the mouth of the bag after filling with, say, sweets.

The strips 3 can be of different heat sealable film material or the same material as

[Price 4s. 6d.]

the bag, and of a different colour is desired.

WHAT WE CLAIM IS:—

1. A flat bag of heat sealable film material comprising front and back panels  
5 joined together at opposite sides of the bag by heat seal welds wherein one or more other panels of heat sealable film material disposed wholly on the outside of the bag is/are joined to the bag by said side welds  
10 and is/are otherwise unattached to the bag.
2. A flat heat sealable bag according to

claim 1 wherein the said other panel or each other panel takes the form of a strip readily tearable from said bag.

3. A flat bag of heat sealable film material substantially as described with reference to the accompanying drawing.

MEWBURN ELLIS & CO.,  
Chartered Patent Agents,  
70 & 72 Chancery Lane,  
London, W.C.2.  
Agents for the Applicants.

Abingdon: Printed for Her Majesty's Stationery Office, by Burgess & Son (Abingdon), Ltd.—1967.  
Published at The Patent Office, 25 Southampton Buildings, London, W.C.2,  
from which copies may be obtained.

BEST AVAILABLE COPY

3-05-1967

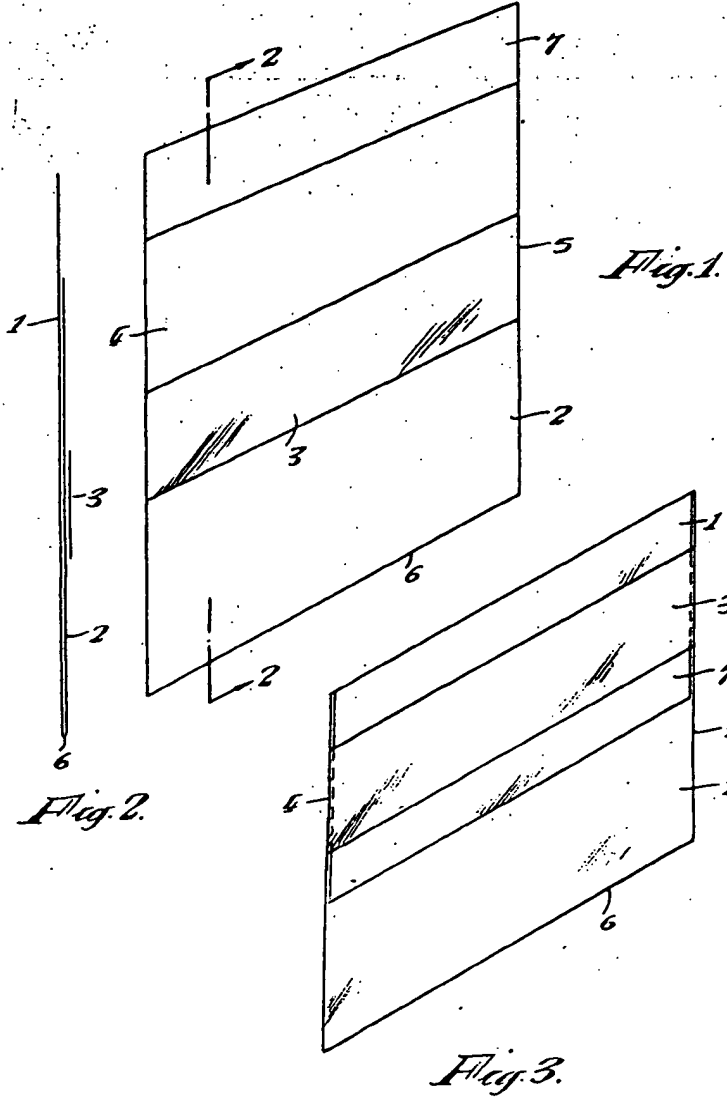
93-68  
~~383~~  
706

1067391

COMPLETE SPECIFICATION

1 SHEET

This drawing is a reproduction of the Original on a reduced scale



BEST AVAILABLE COPY